PATENT COOPERATION TREATY

ТО	FROM the INTERNATIONAL BUREAU of the WORLD INTELLECTUAL PROPERTY ORGANIZATION
GAMBRELL, James, B. Pravel, Gambrell, Hewitt,	NOTIFICATION OF CORRECTION, CANCELLA- TION OR WITHDRAWAL OF PRIORITY CLAIM
Kimball & Krieger 1177 West Loop South Suite 1010	issued pursuant to PCT Rules 4.10(d) , 32bis and Administrative Instructions, Sections 402(c) and (d) and 415
Houston, TX 77027 United States of America	DATE OF MAILING: 19 May 1988 by the International Bureau (19.05.88)
	APPLICANT'S OR AGENT'S FILE REFERENCE CIP81297PC
	INTERNATIONAL APPLICATION
International Application No.	International Filing Date
PCT/US87/02958	09 November 1987 (09.11.87)
Applicant (Name)	
UNIVERSITY OF HOUSTON-UNI	VERSITY PARK
NOTIF	ICATION
mba14	
The applicant is hereby notified th	
taken the following action in respe	ct of the above-identified
international application:	
. —	
I. X The recording of the filing the priority of which is constant xxxexxex been conducted that the priority of which is constant xxxexxex been conducted that the priority of the filing that the priority of which is constant and the priority of the filing that the priority of the filing that the priority of which is constant and the priority of the filing that the priority of which is constant and the priority of the filing that the priority of which is constant and the priority of the filing that the priority of which is constant and the priority of the priority of which is constant and the priority of the prior	date of the earlier application, laimed, has IX MXCOX CONTACT WAYS for rected / to indicate the following
	ex officio
.27. January 1987 (27.01.87)	Gancelled av afficie
_(corrected filing date)	5 20
The priority claim has been	tunceried ex ciricio.
The priority claim has been applicant's request.	cancelled in accordance with
4. The priority older	
with the applicant's reques	noted as withdrawn in accordance t received on
	·
A the above action related to	priorities have been claimed, the following particular nuary 1987 (26.01.87)
A copy of this notification has bee the International Searching Authori	n sent to the receiving Office,
X the designated Offices	1
the International Prelimina	ry Examining Authority .
THE INTERNATIONAL BUREAU OF THE WOR	RLD INTELLECTUAL PROPERTY ORGANIZATION
Mailing Address WIPO	Authorized Officer
34, chemin des Colombettes 1211 Geneva 20	Mounellero
Switzerland	Y. Coeckelbergs
Pora PCT/IE/317 (January 1985):	t 3-/

NOTIFICATION
CONCERNING SUBMISSION
OF PRIORITY DOCUMENT
issued under Section 411 of
the PCT Administrative
Instructions

INTERNATIONAL APPLICATION No. PCT/US87/02958

To:

GAMBRELL, James, B.
Pravel, Gambrell, Hewitt, Kimball & Krieger
1177 West Loop South
Suite 1010
Houston, TX 77027
ÉTATS-UNIS D'AMÉRIQUE

DATE OF MAILING OF THIS NOTIFICATION: 19 May 1988 (19.05.88)

APPLICANT'S OR AGENT'S FILE REFERENCE: CIP81297PC |From:

The International Bureau of WIPO 1211 Geneva 20 Switzerland

INTERNATIONAL FILING DATE:

09 November 1987 (09.11.87)

PRIORITY DATE(S) CLAIMED:

12 January 1987 (12.01.87) 27 January 1987 (27.01.87) 06 February 1987 (06.02.87) 26 March 1987 (26.03.87)

DATE OF RECEIPT OF PRIORITY DOCUMENT(S):

29 March 1988 (29.03.88)

The priority document(s) received is (are) a copy (copies) of the application(s) filed on 12 January 1987 (12.01.87) 06 February 1987 (06.02.87) 27 January 1987 (27.01.87)

A copy of this Notification is being sent to each designated Office.

Y. Coeckelbergs (Authorized Officer)

Form PCT/IB/304 (January 1985)



PATENT COOPERATION TREATY INTERNATIONAL APPLICATION No. PCT/US87/02958 NOTIFICATION CONCERNING SUBMISSION OF PRIORITY DOCUMENT issued under Section 411 of the PCT Administrative GAMBRELL, James, B. Pravel, Gambrell, Hewitt, Kimball & Krieger Instructions 1177 West Loop South Suite 1010 Houston, TX 77027 ÉTATS-UNIS D'AMÉRIQUE DATE OF MAILING OF THIS NOTIFICATION: 15 June 1988 (15.06.88) APPLICANT'S OR AGENT'S The International Bureau of WIPO FILE REFERENCE: | 1211 Geneva 20 CIP81297PC Switzerland INTERNATIONAL FILING DATE: 09 November 1987 (09.11.87) PRIORITY DATE(S) CLAIMED: 12 January 1987 (12.01.87) 27 January 1987 (27.01.87) 06 February 1987 (06.02.87) Q 26 March 1987 (26.03.87) DATE OF RECEIPT OF PRIORITY DOCUMENT(S): 0 9 NOVEMBER 1987 (0 9. 11. 87) The priority document(s) received is (are) a copy (copies) of the application(s) filed on ^Y 2 6 M A R C H 1987 (**2** 6. 03. 87) A copy of this Notification is being sent to each designated Office.

L. Schwarz (Authorized Officer)

Form PCT/IB/304 (January 1985)



INTERNATIONAL APPLICATIONS

COMMUNICATION OF

under PCT Article 20

~ / 2958

DATE OF MAILING 14 July 1988 (14.07.88)

To

Japanese Patent Office Tokyo

in its capacity as a designated Office

From : The International Bureau of WIPO 1211 Geneva 20 Switzerland

Pursuant to PCT Article 20 and PCT Rule 47, the International Bureau herewith transmits copies of the international applications having the following international application and international publication numbers:

INT. APPL. NO.	INT. PUBL. NO.	INT. APPL. NO.	INT. PUBL. NO.
PCT/AT87/00073	WO88/05208	PCT/DE87/00611	WO88/04950
PCT/AT87/00078	WO88/04892	PCT/DE88/00001	WO88/05122
PCT/AT87/00079	WO88/04893	PCT/DE88/00002	WO88/05126
PCT/AU86/00396	WO88/04903	PCT/DE88/00003	W088/05124
PCT/AU87/00006	WO88/05169	PCT/DE88/00004	WO88/04972
PCT/AU87/00406	WO88/05120	PCT/DE88/00008	WO88/05134
PCT/AU87/00437	WO88/04983	PCT/DK87/00162	WO88/05024
PCT/AU87/00442	WO88/04944	PCT/DK87/00164	WO88/05023
PCT/AU87/00443	WO88/05035	PCT/DK88/00001	WO88/04886
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PCT/AU88/00001	WO88/05223	PCT/EP86/00784	WO88/05172
PCT/AU88/00003	WO88/04896	PCT/EP87/00728	WO88/05004
PCT/AU88/00004	WO88/05006	PCT/EP87/00753	WO88/04946
PCT/CH86/00180	WO88/05220	PCT/EP87/00803	WO88/04957
PCT/CH87/00173	WO88/05149	PCT/EP87/00808	WO88/05150
PCT/CH88/00001	WO88/05011	PCT/EP87/00815	WO88/05043
PCT/CH88/00004	WO88/04905	PCT/EP87/00817	WO88/05151
PCT/DE87/00014	WO88/05241	PCT/EP87/00818	WO88/05069
PCT/DE87/00477	WO88/05153	PCT/EP87/00820	WO88/04901
PCT/DE87/00479	WO88/05154	PCT/EP87/00822	WO88/05019
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PCT/DE87/00552	WO88/04975	PCT/EP87/00824	WO88/04981
PCT/DE87/00559	WO88/05155	PCT/EP87/00825	WO88/05033
PCT/DE87/00560	WO88/04976	PCT/EP87/00826	WO88/04952
PCT/DE87/00568	WO88/05129	PCT/EP87/00827	WO88/05077
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PCT/DE87/00601	WO88/04884	PCT/F186/00156	WO88/05171
PCT/DE87/00604	WO88/05204	PCT/FI87/00174	WO88/04955
PCT/DE87/00605	WO88/05141	PCT/F187/00175	WO88/04956
PCT/DE87/00610	WO88/05119	PCT/FI87/00176	WO88/05090 🐣

Form PCT/IB/349 (June 1983)

63.7.18

C. Grassioulet (Authorized Officer)

RECORD COPY

INTERNATIONAL APPLICATION UNDER THE PATENT COOPERATION TREATY

REQUEST

(Tue following is to be for INTERNATIONAL PAPPLICATION No.)	CT/US 87/	02958
INTERNATIONAL FILING DATE:	09 NOV	1987
(Stamps Name of fectiving Office		ROJUS
Applicant's or Agent's F	ile Reference	·

ntgotai	The production of the police
THE UNDERSIGNED REQUESTS THAT THE PRESENT INTERNATIONAL APPLICATION BE PROCESSED ACCORDING TO THE PATENT COOPERATION TREATY	(Stamp) Name of lectiving Office and PCT International Application
ACCORDING TO THE THIRD TO COOL ENGINEER TO	Applicant's or Agent's File Reference (indicated by applicant if desired) CIP81297PQT
Box No. I TITLE OF INVENTION	
SUPERCONDUCTIVITY IN SQUARE-	PLANAR COMPOUND SYSTEMS
Box No. II APPLICANT (WHETHER OR NOT ALSO INV APPLICANT. Use this box for indicating the applicant or, if there applicable, a legal entity) is involved, continue in Box No. III.	/ENTOR); DESIGNATED STATES FOR WHICH HE/SHE/IT IS are several applicants, one of them. If more than one person (includes, where
The person identified in this box is (check one only): app	elicant and inventor* XX applicant only
Name and address: ** University of Houston-University 4800 Calhoun Road	ty Park
Houston, Texas 77004	•
United States of America	
Telephone number: 713/749-3412Telegraphic address: (including area code)	11
Country of nationality: United States of Americ	a America States of
The person identified in this box is applicant for the purposes of (check one only):
X all designated States all designated States except the United States of America	the United States the States indicated in the "Supplemental Box"
	THER) INVENTORS, IF ANY; DESIGNATED STATES FOR separate sub-box has to be: led in in respect of each person (includes, where flicient, continue in the "pplemental Box," (giving there for each addiving two sub-boxes) or by sing a "continuation sheet."
The person identified in this sub-box is (check one only):	applicant and inventor applicant only XX inventor only
Name and address:**	
CHU, Ching-Wu	
4800 Calhoun Road Houston, Texas 77004	
United States of America	·
12.02104	
If the person identified in this sub-box is applicant (or applicant at	nd inventor), indicate also:
Country of nationality:	Country of residence:***
and whether that person is applicant for the purposes of (check on	
all designated States all designated States except the United States of America	the United States the States indicated in the "Supplemental Box"
The person identified in this sub-box is (check one only):	applicant and inventor applicant only inventor only
Name and address:**	applicant and inventor applicant only
	•
If the person identified in this sub-box is applicant (or applicant as	nd invenior), indicate also:
Country of nationality:	Country of residence:***
and whether that person is applicant for the purposes of (check on	•
all designated States all designated States except the United States of America	the United States the States indicated
Indicate the name of a natural person by giving his/her family natits full official designation. In the address, include both the p	entor only" is not an <i>inventor</i> for the purposes of all the designated States, ame first followed by the given name(s). Indicate the name of a legal entity by lostal code (if any) and the country (name).

_	Succe dunion
Tr.	ox No. IV AGENT (IF AN 1) OR COMMON REPRESENTATIVE (IF ANY); ADDRESS FOR NOTIFICATIONS (IN ERTAIN CASES) A common representative may be appointed only if there are several applicants and if no agent is or has been be following person (includes, where applicable, a legal entity) is hereby/bixixix appointed as agent or common representative to act behalf of the applicants, before the competent international Authorities: PRAVEL, GAMBRELL, HEWITT,
KI	MBALL AND KRIEGER, P.C. The same and address, including postal code and country: If the space below is used instead for an including postal code and country.
Дar	mes B. Gambrell address for notifications, check here
PI	RAVEL, GAMBRELL, HEWITT, KIMBALL & KRIEGER
	ouston, Texas 77027
	nited States of America
Te (in	lephone number: 713850-0909 Telegraphic address: 792026 Cluding area code) TEXPATHOU TEXPATHOU
CE	IN NO. V DESIGNATION OF STATES; POSSIBLE CHOICE OF EUROPEAN PATENT; POSSIBLE CHOICES OF ERTAIN KINDS OF PROTECTION OR TREATMENT. Where the name of a State is followed by two check boxes, either or the boxes may be checked. The checking of both boxes results in both a European and a national patent being requested for the ne State. Designation of Switzerland includes designation of Liechtenstein (and vice-versa).
	e following States are hereby designated: *** European Patent (if other national title or treatment desired, specify)**
AT	Austria X **
AU	
ВВ	Barbados
BE	Belgium [No netional sixto and the second six
BG	Bulgaria [no national title available]
BR	X
	Brazil v*
	and LI Switzerland and Liechtenstein X
DE	Federal Republic of Germany X ••
DK	Denmark X
FI	FinlandX
FR	France [no national title available]
GB	United Kingdom V
HU	Hungary X
п	Italy [no national title available]
JP	Janan
KP	Democratic People's Republic of Korea
KR	
	Republic of Korea
LK	Sri Lanka X
LU	Luxembourg A
MC	Monaco X ••
MG	Madagascar X
MW	
NL	Netherlands X
NO	Norway X
RO	Romania
SD	Sudan X
SE	Sandan A
SU	Soviet Union X
US	X
	United States of America
EP Oa	all PCT Contracting States for which a European patent may be requested X **** these States are those listed above whose names are preceded by the codes AT, BE, CH and LI, DE, FR, GB, IT, LU, NL and SE OAPI (Cameroon, Central African Republic, Chad, Congo, Gaboo Mail Manual African Republic, Chad, (if other CA Plaint)
_	desired enacifyles
Space Be	nin (OAPI)
•	An address for the sending of position for
•••	In another kind of protection or a title of addition is desired or if, in the United States of America, treatment as a continuation or a continuation in part is desired, indicate according to the instructions given in the Notes to Box No. V. Arabic numerals conder of the order of the designations may be indicated by checking the boxes of the designated States with sequential
***** P/	When this box is checked, none of the other boxes in the column "European patent" should be checked.

Rolus

Supplemental Box. Use this box in the following cases:

- (i) if more than three persons are involved as applicants and/or inventors; in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III;
- (ii) if, in Box No. II or any of the sub-boxes of Box No. III, the indication "the States indicated in the "Supplemental Box." is checked; in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may the purposes of which he/she/it is applicant;
- (iii) If, in Box No. IT or any of the sub-boxes of Box No. III. a person indicated as "applicant and inventor" or "inventor only" is not inventor for the purposes of all designated States or for the purposes of the United States of America; in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor and, next to such name, the country or countries (or EP or OA, if applicable) for the purposes of which the named person is inventor;
- (iv) if there is more than one agent and their addresses are not the same; in such case, write "Continuation of Box No. IV" and indicate for each additional agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any country (or OAPI) is accompanied by the indication "patent of addition," "certificate of addition," or or "continuation in part"; in such case, write "Continuation of Box No. V" and the name of each country involved (or OAPI), and after the name of each such country (or OAPI), the number of the parent title or parent application and the date of grant of parent title or filing of
- (vi) If there are more than three earlier applications whose priority is claimed; in such case, indicate "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;
- (vii) if, in any of the Boxes, the space is insufficient to furnish all the information; in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient.

CONTINUATION OF BOX NO. VI 26.03.87)

(4) US

26 March 1987 032,041

If this Supplemental Box is not used, this sheet need not be included in the Request.

Sheet number 4 PCT/US 87 / 72958

	ative (if all 1). The bilotity of the foll	owing earlier application(s) is here	by claimed:
Country (country in which it was filed if national application; one of the countries for which it was filed if regional or international application)	Filing Date (day, month, year)	Application No.	Office of Filing (fill in only if the earlier application is an international application or a regional application)
(I) US —	12 January 1987	002,089	
⁽²⁾ US	25,01,81) 28 January 1987	006,991	
(3) US	(06.02.87) 06 February 1987	012,205	
Letter codes may be used to inc	dicate country and/or Office of filing)	012,203	
X the receiving Office is here earlier application/of the e	filed with the Office which, for the purent of the required fee, ask the following by requested to prepare and transmit tarlier applications identified above by the post of the purent	 to the International Bureau a certi he numbers (insert the applicable	fied copy of the above-mentioned numbers)
o the extent possible, on the re	RCH (IF ANY). Fill in where a sear been requested (or completed) and th sults of the said earlier search. Identify or by reference to the search request.	ch (international, international-type te said Authority is now requested y such search or request either by	pe or other) by the International I to base the international search, reference to the relevant applica-
nternational application numbe number and country (or regional Office) of other application:	r or	International/regional/national filing date	
Date of request for search:		Number (if available) given to search request:	·. :
Terry Ondreyka	nolnenska		
Assistant Vice University of F	President for Busi Houston - Universit	y Park	Doinling the agent and signed by
Assistant Vice University of Figure 1 the present Request form is signe applicant is required. If in supercof must be attached to this f	Nouston - Universit med on behalf of any applicant by an age th case it is desired to make use of a ger orm.	y Park	opointing the agent and signed by with the receiving Office), a copy
Assistant Vice University of I the present Request form is signed applicant is required. If in successful to this form the compact of the control of the con	Nouston - University med on behalf of any applicant by an age th case it is desired to make use of a ger orm. o be filled in by the Applicant) contains the following number of 4 sheets 2	ent, a separate power of attorney appearance of attorney (deposited) This international application as checked below: separate signed power of a copy of general power of a	stiled is accompanied by the items
Assistant Vice University of F the present Request form is sig e applicant is required. If in su- ereof must be attached to this f ox No.IX CHECK LIST (T This international application sheets: request description claims	Nouston - University and on behalf of any applicant by an age th case it is desired to make use of a ger born. b be filled in by the Applicant) contains the following number of 4 sheets 31 sheets 3	This international application as checked below: separate signed power of a signed power of a signed power of a copy of general power of a priority document(s) (see	ifiled is accompanied by the items attorney attorney Box No. VI)
Assistant Vice University of F the present Request form is sig te applicant is required. If in su- tereof must be attached to this f ox No.IX CHECK LIST (T This international application sheets: request description	Iouston - Universit med on behalf of any applicant by an age th case it is desired to make use of a ger orm. o be filled in by the Applicant) contains the following number of 4 sheets 31 sheets 10 sheets 1 sheets	This international application as checked below: separate signed power of a copy of general power of a copy of general power of a priority document(s) (see	stiled is accompanied by the items attorney Box No. VI) revenue stamps
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Assistant Vice University of F The present Request form is signer applicant is required. If in sunce reof must be attached to this f Fox No.IX CHECK LIST (T) This international application sheets: request	Iouston - Universit med on behalf of any applicant by an age th case it is desired to make use of a ger orm. o be filled in by the Applicant) contains the following number of 4 sheets 31 sheets 10 sheets 5 sheets 5 sheets 6 of the drawings (if any) is suggested publication. (The following is to be filled in	This international application as checked below: separate signed power of a copy of general power of a priority document(s) (see receipt of the fees paid or cheque for the payment of a checked below: request to charge deposit other document (specify) by the receiving Office) Rec'd PCT/PTC	ifiled is accompanied by the items attorney attorney Box No. VI) revenue stamps I fees account
Assistant Vice University of F The present Request form is sign applicant is required. If in subserved must be attached to this f ox No.IX CHECK LIST (T This international application sheets: request description claims abstract drawings Figure number to accompany the abstract for Date of actual receipt of the put Corrected date of actual receip or drawings completing the put	Iouston - Universit med on behalf of any applicant by an age th case it is desired to make use of a ger orm. To be filled in by the Applicant) a contains the following number of 4 sheets 31 sheets 10 sheets 5 sheets 5 sheets 6 of the drawings (if any) is suggested publication. (The following is to be filled in arported international application:	This international application as checked below: separate signed power of a copy of general power of a priority document(s) (see receipt of the fees paid or X cheque for the payment of X request to charge deposit other document (specify) by the receiving Office) Rec'd PCT/PTC	ifiled is accompanied by the items attorney attorney Box No. VI) revenue stamps I fees account

. Europaisches Patentamt

Eumhean Pat

Offic européen des brevets

Generaldirektion 2

Directorate General 2

Direction générale 2

(0 89) 23 99-0 Telex 5 23 656 epmu d

Milhench, Howard Leslie R.G.C. Jenkins & 26 Caxton Street London SWIH ORJ GRANDE BRETAGNE

R. G. C. JENKINS & CO. 2 0 MAY 1991 CHARTERED PATENT AGENTS

Datum/Date

16. 05. 91

Zeichen/Rel/Ret J.18281 EP Anmeldung Nr. /Application No. /Demande nº //Patent Nr. /Patent No. /Brevet nº

87309081.5-2208/

Anmelder/Applicant /Demandeur//Patentinhaber /Proprietor/Titulaire

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

Communication pursuant to Article 96(2) and Rule 51(2) EPC

The /further/ examination of the above-identified application has revealed that it does not meet the requirements of the European Patent Convention for the reasons enclosed herewith. If the deficiencies indicated are not rectified the application may be refused pursuant to Article 97(1) EPC.

You are invited to file your observations and insofar as the deficiencies are such as to be rectifiable, to correct the indicated deficiencies within a period

of __four__

from the notification of this communication, this period being computed in accordance with Rules 78(3) and 83(2) and (4) EPC.

Amendments to the description, claims and drawings are to be filed where appropriate within the said period in three copies on separate sheets (Rule 36(1) EPC).

Failure to comply with this invitation in due time will result in the application being deemed to be withdrawn (Article 96(3) EPC).

W. Korb Primary examiner

for the Examining Division

Telephone numbers:

Primary examiner (substantive examination)

2284 (089) 2399-

(089) 2399-

Formalities officer (Formalities including extension of time limits)

Examiners' clerk

(other matters)

page/s reasons (Form 2044/2906)

(089) 2399-

R gistered letter

REPLY DUE:

Datum Date Date 16.05.91

Blatt Sheet Feuille

1

Anmelde-Nr.: Application No.: Demande n°:

87 309 081.5

The examination is being carried out on the following application documents:

The application documents as originally filed

- The application does not meet the requirements of Article 84 EPC, because claims 3, 20, 21 are not clear.
- 2. A general formula of the type as claimed in Claim 3 is usually used to indicate a mixed crystal. B and B' can apparently be the same alkaline earth elements only differing in their contents x and x' in the different components of the mixed crystal. It is not clear from Claim 3 how the general formula for the mixed crystal is included by the general formula of Claim 1 to which claim 3 refers, in particular in view of the limits for x, y, z and w as set forth in Claim 1.
- 3. "A method for producing a superconducting ceramic" as claimed in Claim 20 must be construed as meaning merely a method suitable for the stated purpose (see EPO Guidelines C-III, 4.8). Therefore, Claim 20 should read "a method of producing a superconducting ceramic". Furthermore, "carbides" should apparently read "carbonates" since no support for a use of carbides is given by the description, in particular the examples.
- 4. From Claim 21, it is not clear how the relative term "large crystalline particles" is limiting the subject-matter claimed with regard to other polycrystalline perovskite-like structures.

9))

Datum Date Date 16.05.91

Blatt Sheet Feuille 2

Anmelde-Nr.: Application No.: Demande n°:

-Nr.: 87 309 081.5

5. The following documents (D) are mentioned for the first time in this communication; the numbering will be adhered to in the rest of the procedure:

D1 = Z. Phys. B - Condensed Matter 66, pp. 141-146, 10.03.87, C. Politis and J. Geerk

D2 = Phys. Rev. Lett., Vol. 58, no. 9, pp. 908-910, 02.03.87, M.K. Wu et al.

D3 = EP-A-0 274 421

 $D\dot{4} = EP-A-0 274 407$

D5 = WO-A-88/07 264

D6 = EP-A-0 282 360

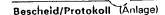
It should be noted that documents D3-D6 represent a state of the art according to Article 54 (3) EPC.

6. The present application does not meet the requirements of Articles 52(1) and 54(1) and (2) EPC because the subject-matter of claims 1-5, 7, 9, 12-17, 20, 21 is not new.

It should be noted that the novelty/Claims 3, 20 and 21 is objected to insofar as the present text of these claims can be understood.

7. The document D1 discloses a superconducting ceramic of the formula La Sr Ba Cu O (see D1, page 142, col. 2, lines 17-22 and page 144, column 1, line 23-column 2, line 3).

It is apparent that the above formula can as well be expressed by $[La_{0.0}(Sr,Ba)_{0.1}]_2$ Cu 0_4 and with La=A, (Sr,Ba)=B the material known from D1 falls within the scope of the materials according to the formula claimed in Claim 1. Therefore, the subject-matter as claimed in Claim 1 is not new, contrary to Articles 52 (1) and 54



Communication/Minutes (Annex)

Notification/Proces-verbal (Annexe)

Datum Date Date

16.05.91

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Sheet

Feuille

3

Anmelde-Nr.: Application No.: Demande n°:

r: 87 309 081.5

(1) and (2) EPC. Furthermore, materials falling within the scope of Claim 1 are also known from the documents D3 (see e.g. D3, pages 5, 6; tables 1, 2), D4 (see D4, page 5, lines 10-45; pages 7, 8; table; and Claim 1) and D5 (see D5, page 14; table; and Claim 1). Additionally, the general formula as a whole can directly and unambiguously be derived from D6 (see e.g. D6, page 2, column 2, lines 9-19 and page 4, column 6, lines 33-43). A small range disclaimed in Claim 1 from the total range of that formula due to B being more than one alkaline earth element when A is one rare earth element merely in order to exclude well-known materials (see e.g. D1, abstract and D2, abstract and page 908, column 1, lines 1-20) does not result in a particular selection of materials which must be considered as new with respect to the disclosure of D6. The formula disclosed in D6 represents the same variety of materials as claimed in Claim 1 in the case where A is more than one rare earth element. Moreover, from the examples mentioned in D6 at page 2, column 2, lines 9-19 and page 4, column 6, lines 43-61 it is implicit to a skilled man that compounds according to the general formula in question can in any case contain two or more alkaline earth elements, in particular when A is one rare earth element. Therefore, the subject-matter as claimed in Claim 1 is also not new with respect to one of the documents D3, D4 or D6.

8. To a skilled man, it is implicit, that the general formula expressed in D6 (see D6, page 4, column 6; lines 33-43) includes mixed phases. The examples mentioned in D6 at page 2, column 2, lines 9-19, in particular the YBCO-system, the BLCO-system or the SLCO-system represent mixed phase compound systems which can be expressed by a motified general formula as claimed in Claim 3. Thus the subject-matter of that claim is directly derivable from D6 and Claim 3 lacks novelty



Datum Date Date 16.05.91

Blatt Sheet Feuille 4

Anmelde-Nr.: Application No.: Demande n^e : 87 309 081.5

required by Articles 52 (1) and 54 (1) and (2) EPC.

- To a skilled man knowing the general formula expressed 9. in D6 (see D6, page 4, column 6, lines 33-43) it is implicit that this formula embraces the sub-species according to the general formulas claimed in Claims 12, 14 and 16. The examples mentioned in D6 at page 2, column 2, lines 9-19 and page 4, column 6, lines 43-61 indicate such sub-species. Therefore, Claims 12, 14 and 16 are considered not new with respect to the disclosure of D6. Furthermore, it should be noted that a material known from D1 (see item 7 above) falls within the scope of materials according to the formula claimed in Claim 12 and materials known from the documents D3, D4 or D5 (see item 7 above) must be regarded as materials according to the formula claimed in Claim 16 such that Claim 12 is also not new with respect to D1 and Claim 16 is also not new with respect to one of the documents D3, D4 or D5.
 - 10. It should be noted that there is no doubt that the entire variety of materials falling within the scope of one of the general formulas as claimed in Claims 1, 3, 12, 14 and 16 cannot be regarded as being disclosed in the present application in a manner sufficiently clear and, above all, complete. Thus, the requirements of Article 83 EPC are not met.
 - 11. The values for y, z, w or y', z', w' respectively as claimed in Claims 4, 13, 15 and 17 are as well known from D6 (see D6, page 4, column 6, lines 33-43).

 Therefore, the subject-matter of these claims is now new with respect to D6.
 - 12. A superconducting ceramic having the stoidiometric formula Y Ba Ca Cu 0 is known from D4 (see D4; pages

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Datum Date Date 16.05.91

Blatt Sheet Feuille 5

Anmelde-Nr.: Application No.: Demande n°:

87 309 081.5

- 7, 8; table; example 15 and page 3, lines 11-48). Therefore, the subject-matter claimed in Claim 7 is not new. Since that claim refers to Claim 5 and, indirectly, to Claims 4 and 3 and represents a particular material selected from the scope of the claims to which it refers, moreover Claims 3-5 must be considered as not new with respect to the disclosure of D4. In this connection, Claim 9 appears to be as well not new with respect to the examples disclosed in D4 and comprising more than one rare earth element (see D4; pages 7, 8; table).
- 13. It should be noted that the documents D1, D2, either standing alone or in combination, appear to be relevant in view of inventive step for example with respect to claims 6, 8, 10, 11, 18 and 19. The materials according to these claims do not appear to show any surprising effect, for example a particularly high critical transition temperature departing from state of the art materials as e.g. known from D2.
- 14. The method claimed in Claim 20 can directly and unambiguously be derived from any of the documents cited in view of a lack of novelty in above items (see e.g. D1, pages 141 and 142, "Experimental Procedures"). Therefore, Claim 20 lacks novelty required by Articles 52 (1) and 54 (1) and (2) EPC.
- 15. A ceramic comprising two or more rare earth elements and/or two or more alkaline earth elements as claimed in Claim 21 is e.g. known from D4 (see item 12 above). Since a skilled man producing such a composition would inevitably arrive at a result falling within the terms of Claim 21 an objection of lack of novelty must be raised. Claim 21 is considered to be not new, e.g. with respect to D4.

Bescheid/Protokoll (Anlage)

Communication/Minutes (Annex)

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Datum Date 16. 05. 91

Blatt Sheet Feuille

6

Anmelde-Nr.: Application No.: Demande n°: 87 309 081.5

16. If the applicant wants to proceed with the application, it should be noted that any amendments made must be identified if not evident and their base in the original application has to be indicated (see EPO Guidelines E-II, 1). The applicant should also indicate in the letter of reply the difference vis-à-vis the state of the art and the significance thereof if a new claim is filed which the applicant regards to present some particular patentable matter.